



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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## INSPECTION REPORT

Partial XXX Complete \_\_\_\_\_ Exploration \_\_\_\_\_

Inspection Date: 04/19/2002 / Time: 9-10 AM

Date of Last Inspection: 03/15/2002

Mine Name: Horizon Mine County: Carbon Permit Number: C/007/020

Permittee and/or Operator's Name: Lodestar Energy, Inc.

Business Address: HC 35 Box 370, Helper, Utah 84526

Company Official(s): Mr. Kit Pappas, Engineering Dept.

State Official(s): Peter Hess Federal Official(s): None

Weather Conditions: Clear / temperature in mid-thirties, Fahrenheit

Type of Mining Activity: Underground XXX Surface \_\_\_\_\_ Prep Plant \_\_\_\_\_ Other \_\_\_\_\_

Existing Acreage: Permitted 711 Disturbed 9 Regraded \_\_\_\_\_ Seeded \_\_\_\_\_

Status: Active

### REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

- Substantiate the elements on this inspection by checking the appropriate performance standard.
  - For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
  - For partial inspections check only the elements evaluated.
- Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
- Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
- Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL ISSUES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4 <sup>th</sup> Quarter- April, May, June)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**INSPECTION REPORT**  
(Continuation Sheet)

PERMIT NUMBER: C/007/020

DATE OF INSPECTION: 04/19/2002

(COMMENTS ARE NUMBERED TO CORRESPOND WITH TOPICS LISTED ABOVE)

**4B. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS**

The sediment pond contains water, the level of which is well below the primary discharge or decant elevation.

**4C. HYDROLOGIC BALANCE: OTHER SEDIMENT CONTROL MEASURES**

The permittee needs to replace two of the straw bales along the southern boundary of ASCA #1, (one at the SW corner and one at the SE), which is the topsoil storage area adjacent to the County road. Wildlife have pulled the bales out of the dike and partially consumed them.

**4D. HYDROLOGIC BALANCE: WATER MONITORING**

According to Mr. Pappas, the permittee has entered additional information into the Division's water monitoring database for the fourth quarter of 2001. Sixteen water-monitoring points had been reported as not having adequate information; most of these were "no flow" situations, or are no longer required to be monitored by the permit. "No Flow" has thus been entered where appropriate.

The status of the second quarter 2002 water monitoring is not known at this time.

**4E. HYDROLOGIC BALANCE: EFFLUENT LIMITATIONS**

Mr. Pappas indicated this day that the last grab sample that was taken of the mine water discharge (UPDES point 002A) had a reportable level of suspended solids of 7 mg/l. The discharge observed from the undisturbed bypass culvert this day was clear.

Photos of the water discharge from the undisturbed bypass culvert below the site (a combination of UPDES point 002A discharge and upper Jewkes Creek flow) can be seen in the O drive, 007020/Images/4192002.

**5. EXPLOSIVES**

The explosive and detonator storage magazines at the site remain empty.

**8. NONCOAL WASTE**

The County and the entire State have experienced high velocity winds over the past several days. As such, a few pieces of noncoal waste were observed in the Jewkes Creek drainage up canyon of the Mine site disturbed area. Mr. Pappas agreed to have the noncoal waste removed from the drainage.

A small flow was observed in Jewkes Creek above the Mine site.

**INSPECTION REPORT**  
(Continuation Sheet)

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**14. SUBSIDENCE CONTROL**

The permittee submitted an annual subsidence report on March 7, 2002. A review conducted by this individual on April 2, 2002 indicated no vertical or horizontal displacement of any of the five monitoring points. The permittee initiated coal extraction on November 6, 2001. A map of the mine workings, as they existed on December 31, 2001, and the submitted report are P.E. certified by Mr. Dave Miller, P.E.

**18. SUPPORT FACILITIES/UTILITY INSTALLATIONS**

The permittee is preparing to install a portable crusher at the Horizon site to enhance their processing ability. A small portable unit is being readied.

**20. AIR QUALITY PERMIT**

The permittee recently met with the County Commissioners to discuss the County road leading to the Mine site. As a result, two water trucks and a road grader were observed operating on the County road improving its condition. Gravel is being placed and spread to aid in controlling fugitive dust.

Inspector's Signature: \_\_\_\_\_

  
Peter Hess #46

Date: April 22, 2002

**Note:** This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas & Mining.

cc: James Fulton, OSM  
David Miller, Lodestar  
Price Field office

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